Fig. 1

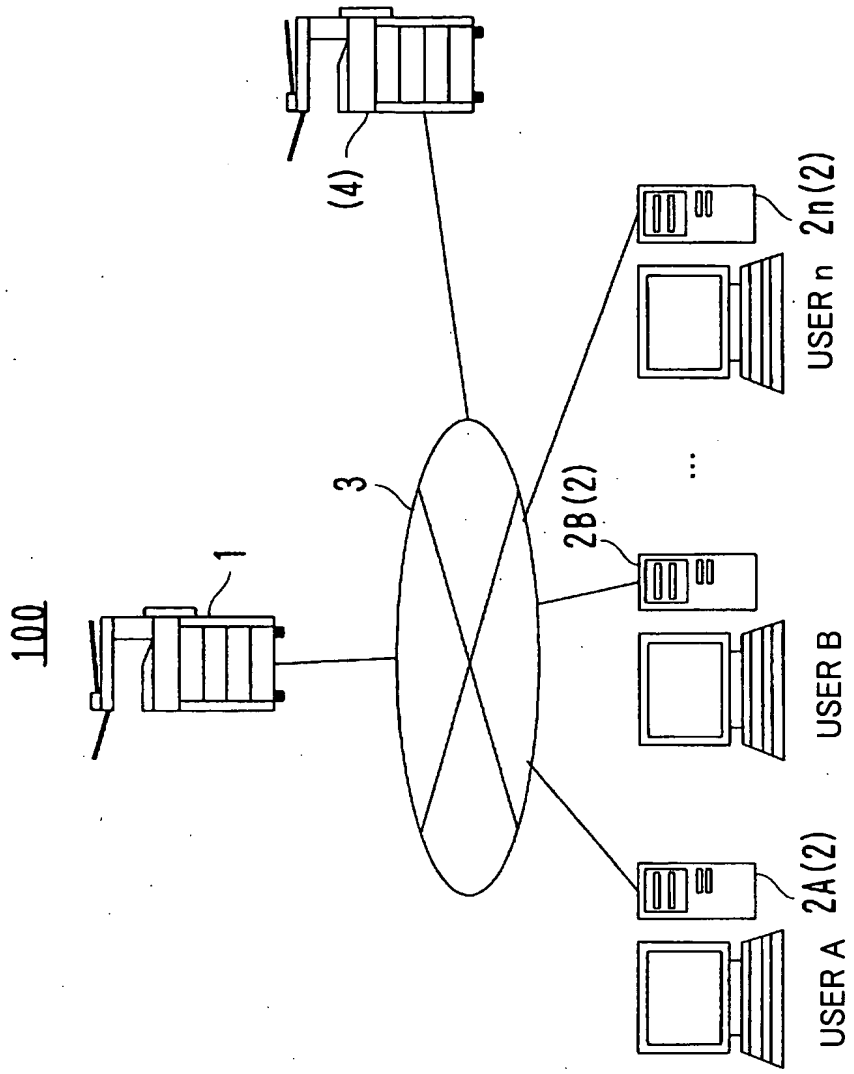

100
1
3
(4)
2n(2)
USER n
2B(2)
USER B
2A(2)
USER A

Fig. 2

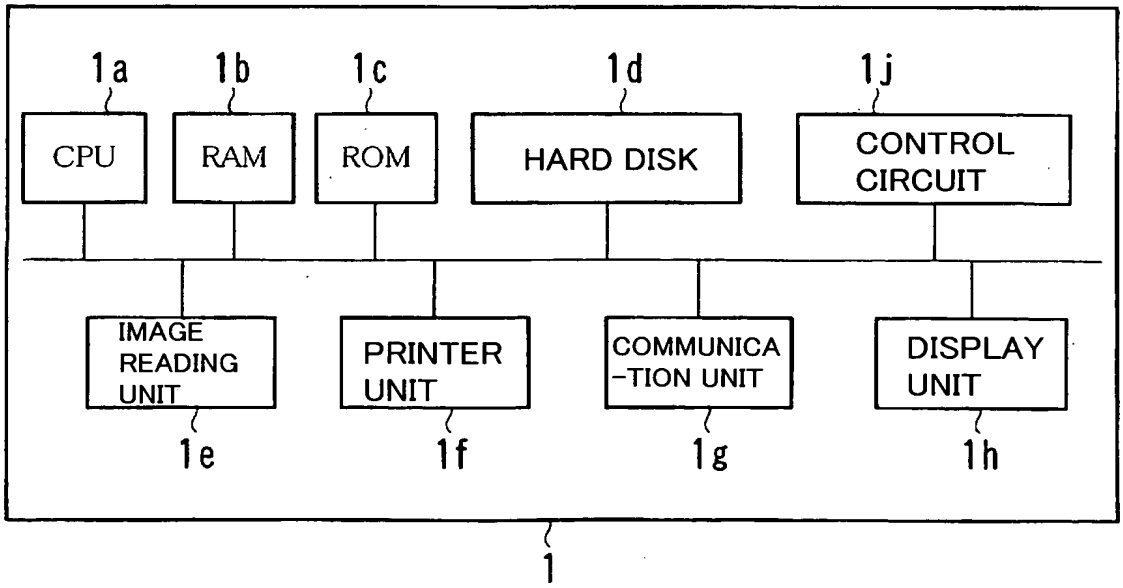

1a
1b
1c
1d
1j
CPU
RAM
ROM
HARD DISK
CONTROL CIRCUIT
IMAGE READING UNIT
PRINTER UNIT
COMMUNICA-TION UNIT
DISPLAY UNIT
1e
1f
1g
1h
1

Fig. 3

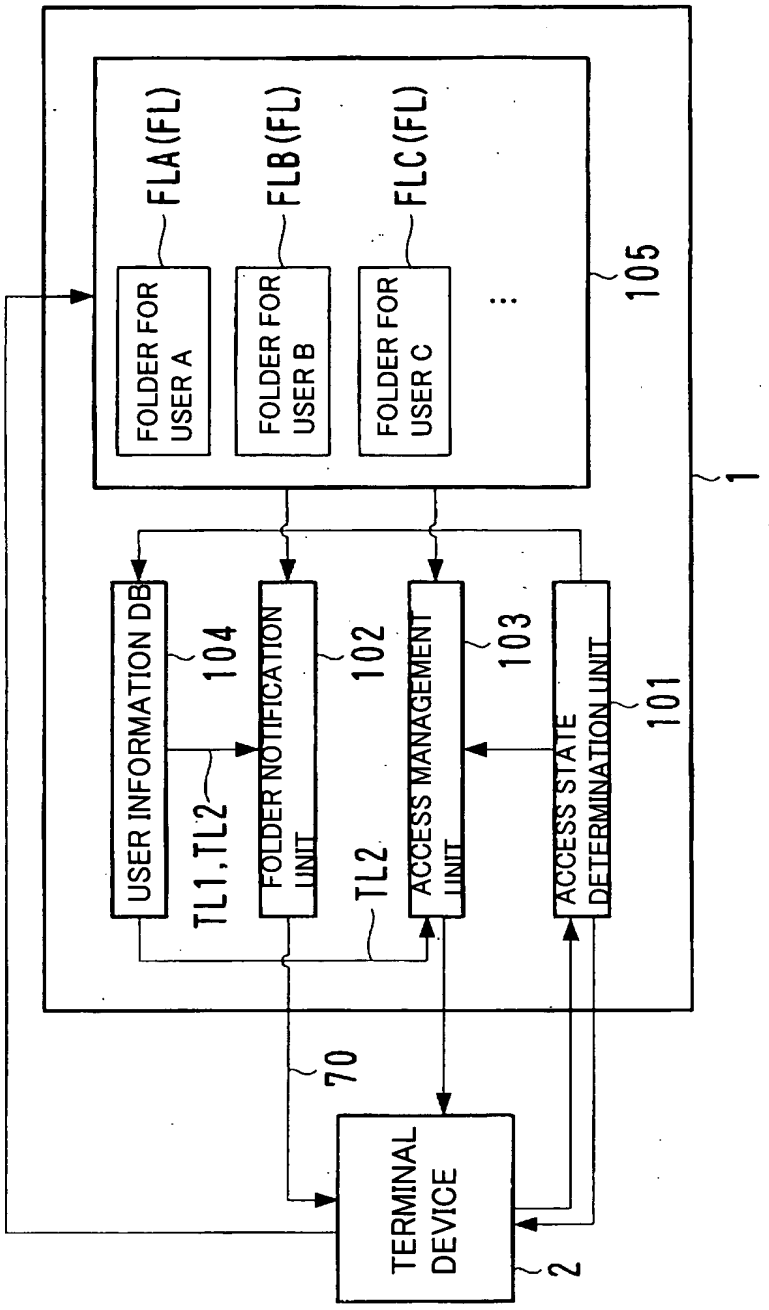

FLA(FL)
FLB(FL)
FLC(FL)
FOLDER FOR USER A
FOLDER FOR USER B
FOLDER FOR USER C
105
1
USER INFORMATION DB
104
FOLDER NOTIFICATION UNIT
102
ACCESS MANAGEMENT UNIT
103
ACCESS STATE DETERMINATION UNIT
101
TL1,TL2
TL2
70
TERMINAL DEVICE
2

Fig. 4

IL1

USER NAME	ID INFORMATION	ACCESS FLAG
USER A	192.168.0.11	0
USER B	192.168.0.12	1
USER C	192.168.0.13	1
USER D	192.168.0.14	1
USER E	192.168.0.15	1
⋮	⋮	⋮

41 42 4F

Fig. 5

IL2

FOLDER NAME	USER NAME	ACCESS PERMISSION INFORMATION
FOLDER FLA	USER A	ALL USERS
FOLDER FLB	USER B	ALL USERS
FOLDER FLC	USER C	USERS A, C, D, E
FOLDER FLD	USER D	USERS A, B, D
FOLDER FLE	USER E	ALL USERS
⋮	⋮	⋮

51 52 5R

Fig. 6(a)

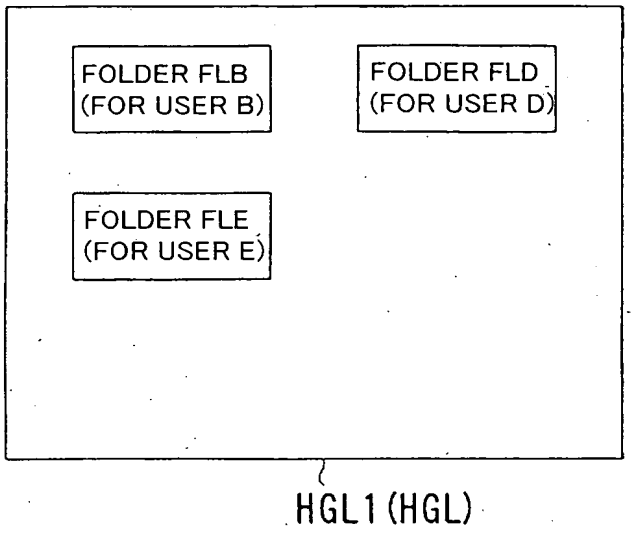

FOLDER FLB
(FOR USER B)
FOLDER FLD
(FOR USER D)
FOLDER FLE
(FOR USER E)
HGL1 (HGL)

Fig. 6(b)

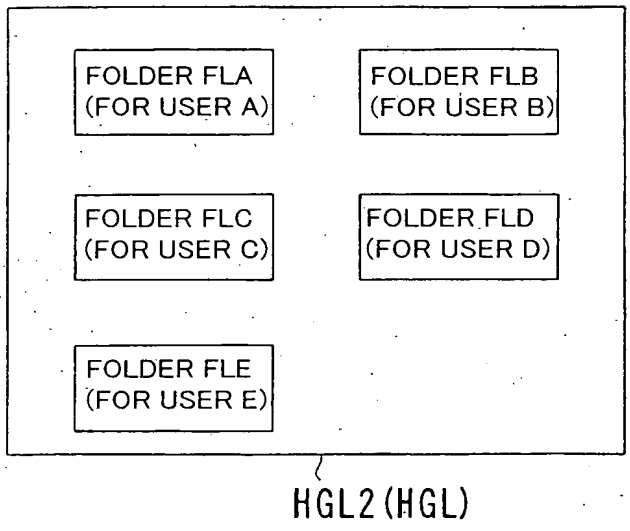
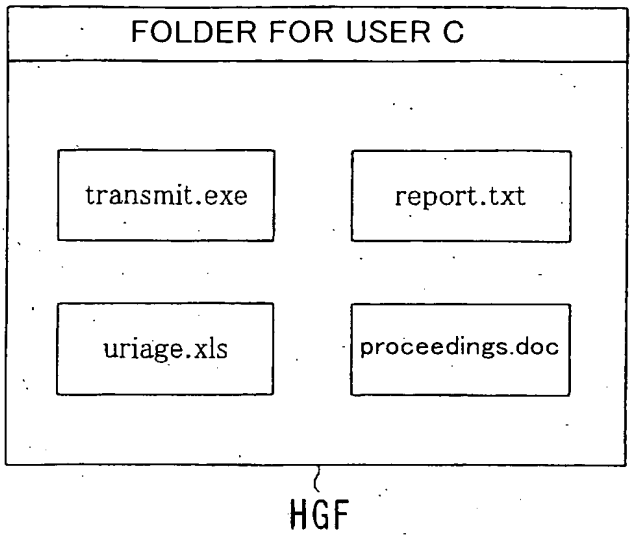

FOLDER FLA
(FOR USER A)
FOLDER FLB
(FOR USER B)
FOLDER FLC
(FOR USER C)
FOLDER FLD
(FOR USER D)
FOLDER FLE
(FOR USER E)
HGL2 (HGL)

Fig. 7


FOLDER FOR USER C
transmit.exe
report.txt
uriage.xls
proceedings.doc
HGF

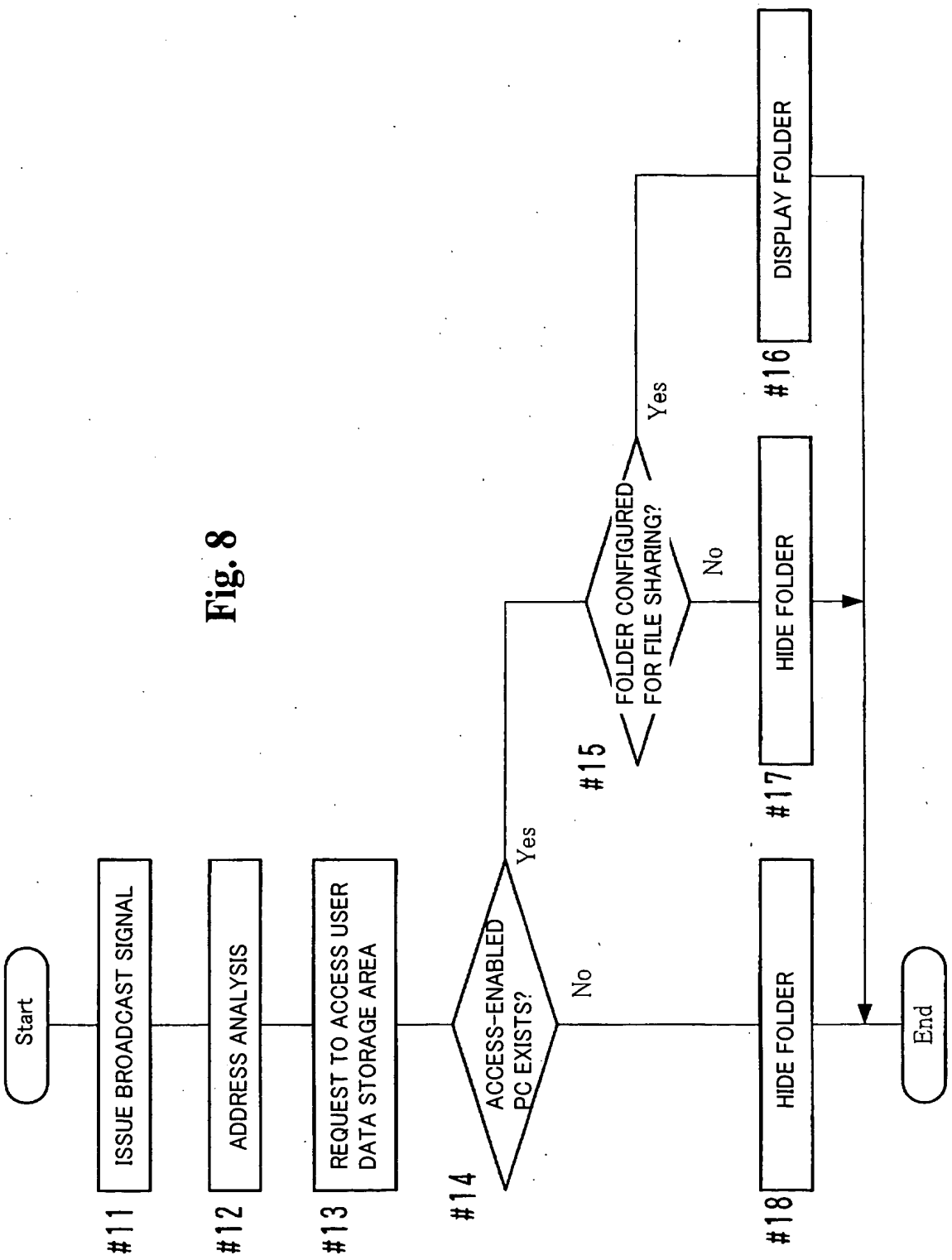

Start
ISSUE BROADCAST SIGNAL
#11
ADDRESS ANALYSIS
#12
REQUEST TO ACCESS USER DATA STORAGE AREA
#13
ACCESS-ENABLED PC EXISTS?
#14
Yes
No
FOLDER CONFIGURED FOR FILE SHARING?
#15
Yes
No
DISPLAY FOLDER
#16
HIDE FOLDER
#17
HIDE FOLDER
#18
End

Fig. 8

Fig. 9

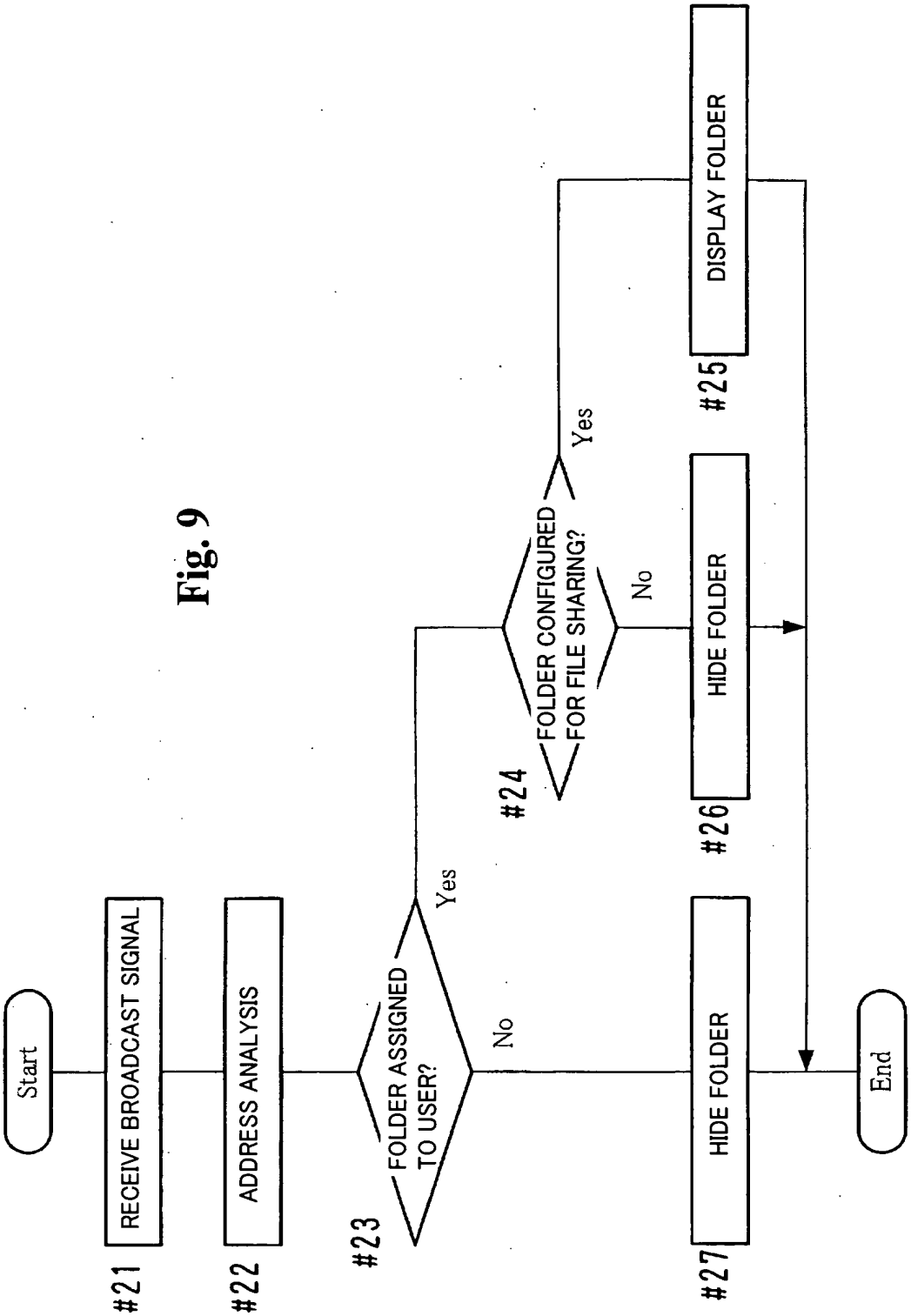
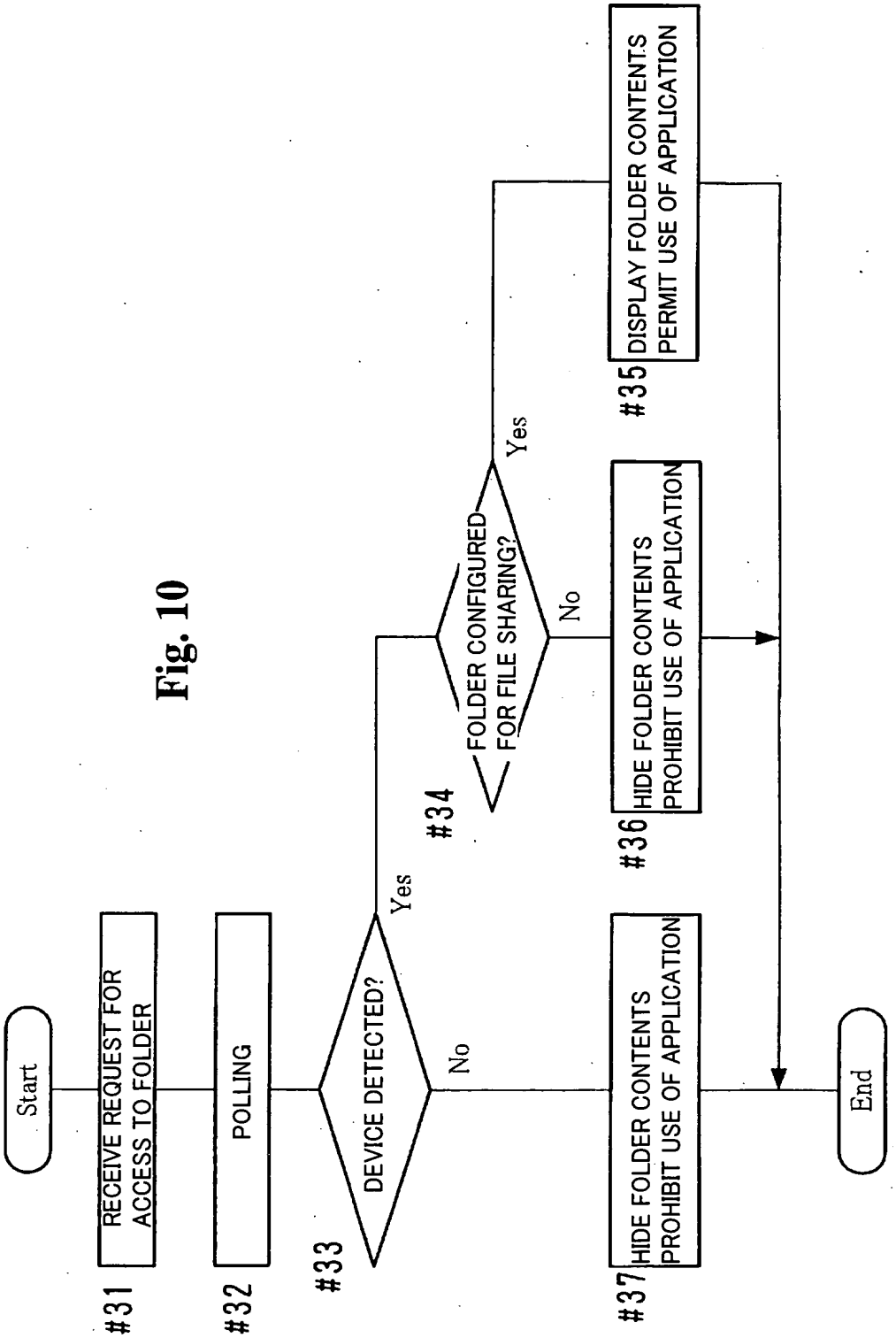

Start
RECEIVE BROADCAST SIGNAL
#21
ADDRESS ANALYSIS
#22
FOLDER ASSIGNED TO USER?
#23
Yes
No
FOLDER CONFIGURED FOR FILE SHARING?
#24
Yes
No
DISPLAY FOLDER
#25
HIDE FOLDER
#26
HIDE FOLDER
#27
End

Fig. 10


Start
RECEIVE REQUEST FOR ACCESS TO FOLDER
#31
POLLING
#32
DEVICE DETECTED?
#33
Yes
No
FOLDER CONFIGURED FOR FILE SHARING?
#34
Yes
No
DISPLAY FOLDER CONTENTS PERMIT USE OF APPLICATION
#35
HIDE FOLDER CONTENTS PROHIBIT USE OF APPLICATION
#36
HIDE FOLDER CONTENTS PROHIBIT USE OF APPLICATION
#37
End